

SOPRA-XPS 20

TECHNICAL DATA SHEET 180904SCANE

(supersedes 180529SCANE)



INSULATION

APPLICATIONS

WALLS

DESCRIPTION

SOPRA-XPS 20 is a rigid thermal insulation board made of extruded polystyrene composed of closed cell foam.

SOPRA-XPS 20 is mainly used as thermal insulation for above grade **SOPREMA** wall systems and on the inside of foundation walls.

SOPRA-XPS 20 is available in three edges treatment :

- Boards with shiplap edges on two sides
- Boards with shiplap edges on four sides
- Boards with slotted on two sides. In this way, when one panel is installed next to another one, it's creating the necessary space for a wood furring strip of 19 x 64 mm (1 x 3 in). This option is used for above-grade exterior walls and on the inside of foundation walls.

SOPRA-XPS 20 does not have any CFC and HCFC - Zero ozone depletion potential.

Minimum 20% recycled content pre-consumer (post industrial).

INSTALLATION

MECHANICALLY ATTACHED

Install insulation boards using fasteners and 50 mm (2") diameter washers.

When another layer of **SOPRA-XPS 20** insulation is required, it should be installed with staggered joints on the first layer.

Maximum service temperature: 75 °C (167 °F).

RESTRICTIONS

- **SOPRA-XPS 20** is installed where the applied loads do not exceed 20 psi.
- **SOPRA-XPS 20** is a combustible product. To comply with the National Building Code, it must be used in combination with a thermal barrier.
- **SOPRA-XPS 20** can not be used in a wall assembly with a combustible veneer.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.



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PACKAGING

SPECIFICATIONS	SOPRA-XPS 20	
	BOARD DIMENSIONS*	BOARD THICKNESSES*
Shiplap on 2 edges (length)	2438 mm x 1220 mm (8 ft x 4 ft)	25 mm (1 in) 38 mm (1.5 in) 51 mm (2 in) 76 mm (3 in) 100 mm (4 in)
	2743 mm x 1220 mm (9 ft x 4 ft)	25 mm (1 in) 38 mm (1.5 in) 51 mm (2 in)
Shiplap on 4 edges	2438 mm x 610 mm (8 ft x 2 ft)	25 mm (1 in) 38 mm (1.5 in) 51 mm (2 in) 76 mm (3 in)
Slotted on 2 edges (length)	2438 mm x 610 mm (8 ft x 2 ft)	38 mm (1.5 in) 51 mm (2 in)
Shiplap dimensions		
Slotted dimensions		
Colour	Light orange	

* Other thicknesses and dimensions available upon request.
(All values are nominal)



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NOTE: All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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PROPERTIES

SOPRA-XPS 20 meets the requirements of CAN/ULC S701.1 Type 3 (ASTM C578-14 Type X).

Properties	Standards	SOPRA-XPS 20
Thermal Resistance (RSI-Value [R Value] / 25.4 mm [1 in] @ 24 °C [75 °F])	ASTM C518	RSI- 0.88 (R – 5.0)
Water Vapour Permeance	ASTM E96 (Method A)	57 ng/Pa•s•m ² (1.0 perm)
Dimensional Stability, max.	ASTM D2126	1.5 %
Min. Flexural Strength	ASTM C203	400 kPa (58 psi)
Water Absorption, % by volume, max.	ASTM D2842	0.7
Min. Compressive Strength	ASTM D1621	138 kPa (20 psi)
Limiting Oxygen Index	ASTM D2863	24 %

(All values are nominal)

STORAGE AND HANDLING

SOPRA-XPS 20 thermal insulation boards are covered with a temporary waterproof packaging for handling the panels in the manufacturing plant and during transit.

SOPRA-XPS 20 thermal insulation boards must be stored on a flat substrate, protected from UV and sheltered from inclement weather. As they are flammable, they must be protected and kept away from flames and intense heat sources during transportation, handling, storage, and installation.



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